Title: METHODS AND COMPOSITIONS FOR ENHANCING THE DELIVERY OF A NUCLEIC ACID TO A CELL

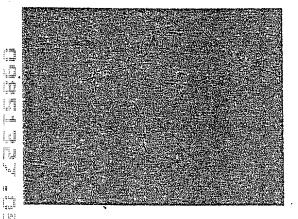
Inventor(s): Robert J. Levy et al. DOCKET NO.: 047172/0170

## Comparison results of Denatured Collagen and Native collagen A10 cells transfection efficiency

FIGURE 1A

FIGURE 1B

A10 cells have been transfected by plasmid nuclear targetted beta-galactosidase, below the pictures show experiment results after 48 hours transfection.



Native Collagen



Denatured collagen

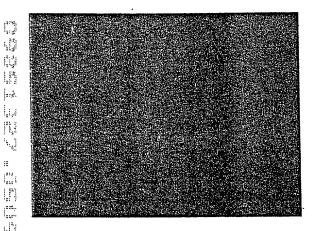
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## Comparison results of Denatured Collagen and Native collagen A10 cells transfection efficiency

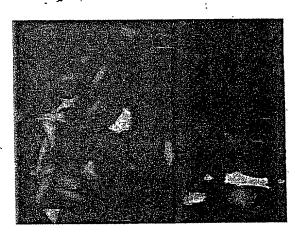
FIGURE 2A

FIGURE 2B

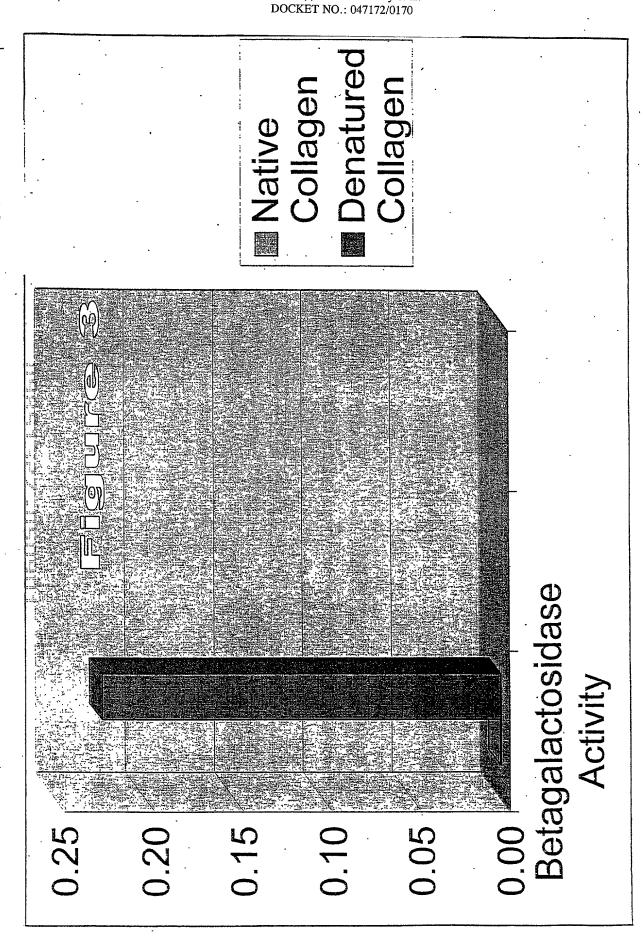
Results show A10 cells transfected by p-EGFP-N3 plasmid DNA, after 24 hours.



Native collagen + GFP DNA



Denatured collagen +GFP DNA



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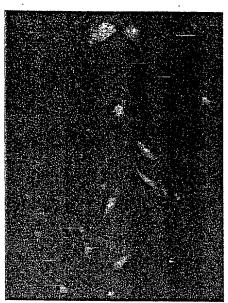
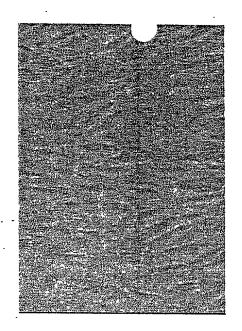


FIGURE 4B

cells, GFP plasmid transfection regulated by TNC

Figure 4: Arterial Smooth Muscle Cells (A10)

TNC-15.0µg/ml

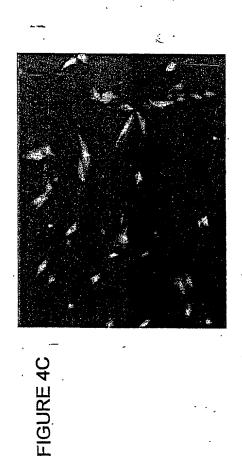


TNC- 15.0µg/ml



FIGURE 4A

Collagen (No TNC)

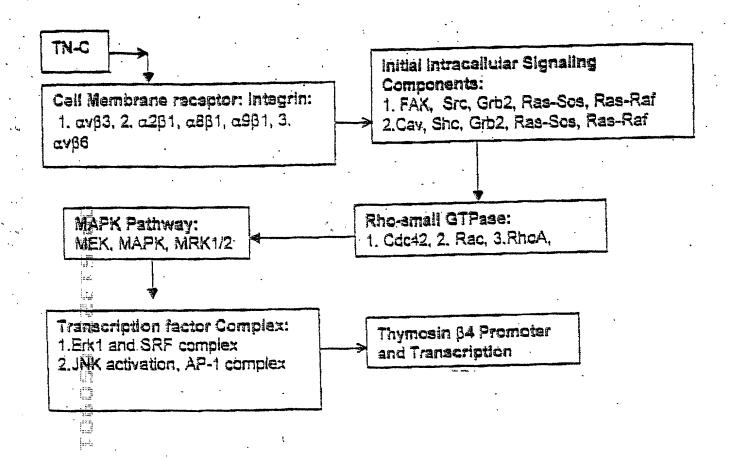


TNC-50.0 µg/ml

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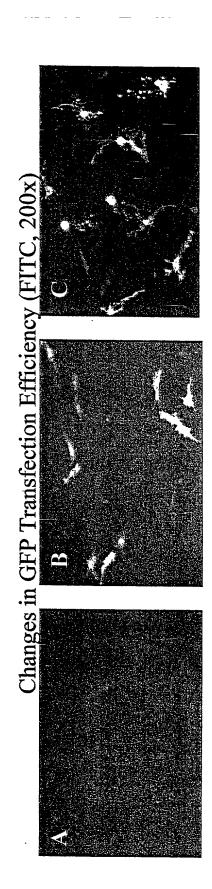
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## FIGURE 5



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FIGURE 6



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Changes in Cell Morphology (200x)



